

Temperature Field and Heat Balance In Metal Cutting
by G. Vieragge.

GERMAN, per, Werkstatt Und Betrieb, Vol XXCVIII,
No 5, 1955, pp 227-230

CSIRO

Oct. 62

The Betatron and Its Importance for the
Testing of Materials, by E.A. W. Muller.

GERMAN, per, Werkstatt und Betrieb,
Vol LXIVIII, No 5, 1955, pp 235-236.

OSIRO

Sci - Phys
May 62

198,495

Multiple Welding Apparatus, by O. Gengenback, Sindelfinger, 5 pp.

GERMAN, per, Werkstatt und betrieb, Vol LXXXVIII, No 6, 1955, pp 267-302.

SLA Tr 1525/56

Sci - Min/metals
Mar 1957 CTS

45,266

Procedures and Instruments Used in Measurements
With Compressed Air, by Gunther Klower, 4 p.

GERMAN, per, Werkstatt und Betrieb, 1955,
Vol LXXVIII, No 10, pp 649-653.

SLA 59-17199

Sci
Dec 59
Vol 2, No 6

104,040

Comparison of Practical Working Conditions
of Twist Drills With the Recommended
Values for HSE Drilling, by W. Leyensetter.

GERMAN, per, Werkstatt und Betrieb,
Vol LXXXIX, No 1, 1956, pp 1-12.

CSIRO 4813

Sci - Eng
Jul 62

204,946

Efficiency and Optimum Use of Centreless Peeling
Machines and Lathes: Operational Considerations,
Tool Insertion, Workpiece Delivery, by H. Makelt.
GERMAN, per, Werkstatt und Betrieb, Vol 39, No 3,
1956, pp 133-141.
BISI 6055
NLL Ref: 9022.06 (6055)

Sci/Mater
Aug 68

363,082

and
The Preparation and Application of Hardstone Surface
Plates, by H. Schmidt.

GERMAN, per, Werkstatt u Betrieb, Vol LXXXIX, No 7,
1956, pp 377-380.

CSIRO

Sci

Aug 59

93,709

Automatic Gear Testing Devices increase the Speed of
Testing and the Accuracy of Measurement, by H.
Strelow.

GERMAN, rer, Werkstatt u Betrieb, Vol LXXXIX, No 7,
1956, pp 383-390.

CSIRO-3387

Sci

Jul 59

92,554

<p>Haller, Hans. HOW TO DETERMINE FORGING AND FINISHING PERIODS. [1958] [16]p. 4 refs. Order from SLA \$1.60 61-16275</p> <p>Trans. of Werkstatt und Betrieb (West Germany) 1957. v. 90, no. 4, p. 227-232.</p> <p>DESCRIPTORS: *Forging, *Metals, *Steel, Deforma- tion, Heat treatment, Forge presses, Machining.</p> <p><i>Comp. S. S. S. - 274</i> <i>CSIRO</i></p> <p>(Machinery--Manufacturing, TT, v. 6, no. 3)</p>	<p>61-16275</p> <p>I. Haller, H.</p> <p>175263</p> <p>Office of Technical Services</p>
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Gear Cutting Machine - Exhibited in Leipzig
(East Germany) Spring Exhibition 1957, 4 pp.

GERMAN, per, Werkstatt und Betrieb, Jul 1957.

CIA/PDD X-2537

Sci - Eng
Sep 57

53,183

Admissible Stresses in Shafts in Mechanical Engineering, by R. Hanchen.

GERMAN, per, Werkstatt und Betrieb, Vol XC,
No 5, 1957, pp 317-321.

CSIRO

Sci - Engr
Aug 62

211, 1151

<p>Haller, Hans. HOW TO DETERMINE FORGING AND FINISHING PERIODS. [1958] [16]p. 4 refs. Order from SLA \$1.60 61-16275</p> <p>Trans. of Werkstatt und Betrieb (West Germany) 1957, v. 90, no. 4, p. 227-232.</p> <p>DESCRIPTORS: *Forging, *Metals, *Steel, Deforma- tion, Heat treatment, Forge presses, Machining.</p> <p><i>Comp. 3. 20 3-274</i> <i>CSIRO</i></p> <p>(Machinery--Manufacturing, TT, v. 6, no. 3)</p>	<p>61-16275</p> <p>I. Haller, H.</p> <p>175263</p> <p>Office of Technical Services</p>
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Gear Cutting Machine - Exhibited in Leipzig
(East Germany) Spring Exhibition 1957, 4 pp.
GERMAN, per, Werkstatt und Betrieb, Jul 1957.

CIA/FDD X-2537

Sci - Eng
Sep 57

53,183

Admissible Stresses in Shafts in Mechanical Engineering, by R. Hanchen.

GERMAN, per, Werkstatt und Betrieb, Vol XC,
No 5, 1957, pp 317-321.

CSIRO

Sci - Engr
Aug 62

211, 1151

A New Relationship in the Theory of Machining,
by M. Kronenberg. UNCL

GERMAN, per, Werkstatt u Betrieb, VolXC, No 10,
1957, pp 729-733.

DSIR 33631/CT

Sci - Engr, machining
Mar 59

83,199

The Surface Treatment of High-Speed Steel Tools and
Its Practical Applications, by H. D. Weckner.

GERMAN, per, Werkstatt und Betrieb, Vol XCI, No 1,
1958, pp 33-38.

BISI 3419

243,616

Sci - Engr
Dec 63

61-18411

4

Krächter, Hans.
A NEW METHOD OF MEASURING COMPRESSIVE
FORCES WITH ULTRASONICS. [1961] [9]p. 2 refs.
Order from SLA \$1.10 61-18411

I. Krächter, H.

Trans. of Werkstatt und Betrieb (West Germany) 1958,
v. 91, no. 3, p. 246-248.

CSIRO

DESCRIPTORS: *Ultrasonics, *Compressometers,
Tests

A new method and the relevant equipment is described,
for the measurement of compressive forces with ultra-
sonic means. When two absolutely parallel polished
plates are pressed together, the layer between them is
partly permeable to ultrasonic waves. From this it
has been established that the extent of the ultrasonic
energy passing through or reflected on the dividing
layer is, under certain conditions, proportional to the
(Physics--Acoustics, TT, v. 7, no. 4) (over)

Office of Technical Services

Cold Extrusion of Steel, by H. Everspaecher, 10 pp.
GERMAN, per, Werkstatt und Betrieb, Vol XCI, No 30,
1958, pp 605-608.

ATS 75L306

ATD-8-55

Sci
Jan 60
Vol 2, No 5

BISI 1467

104,806

Press Working of Metals Deep Drawing, by A.
Haerter, 12 pp.

GERMAN, per, Werkstatt und Betrieb, Vol XCI, No 10,
1958, pp 625-629.

ATS 74L30G

74-2-1

Sci
Jan 60
Vol 2, No 5

104,799

Pahlitzsch, G. and Rafflenbeul, G.
**THE GRINDING AND CUTTING OF HARD METAL
WITH DIAMOND GRINDING WHEELS.** [1961] 27p.
(8 figs. 6 refs. omitted) 9 refs.
Order from SLA \$2.60

61-18914

Trans. of Werkstatt und Betrieb (West Germany)
1959, v. 92, no. 4, p. 195-202.
Another trans. is available from SLA \$2.60 as
61-16168 [1961] 25p.

DESCRIPTORS: *Grinding wheels, *Grinders, *Cutting
tools, Metals, *Refractory materials.

For abstract see Technical Translations 6: 599, 1961.

(Machinery, Fabrications, and Accessory Equipment,
TT, v. 7, no. 3)

61-18914

I. Pahlitzsch, G.
II. Rafflenbeul, G.

Office of Technical Services

Magnetic Particle Inspection and the Most Recent
Methods of Indication, by H. J. Marschall.

GERMAN, per, Werkstatt und Betrieb, Nov 1958,
pp 649-653.

OTV 4195
BISI 1567

Sci - Phys

Aug 60

124,042

62-16840

Reinhart, Hans.
GRINDING OF HARD METALS (CARBIDES) WITH
DIAMOND GRINDING WHEELS. [1962] 13p. (figs.
omitted) 4 refs.
Order from SLA \$1.60 62-16840

Trans. of Werkstatt und Betrieb (West Germany)
1961, v. 94, no. 8, p. 529-533.

DESCRIPTORS: *Carbides, Metals, *Grinders,
*Diamond wheels.

Diamond grinding wheels bonded with bronze were
advantageously sharpened with ceramic bonded
carborundum honing stones. A requirement was
recognized that the grains of the hone must be some-
what coarser than those of the diamond used in the
apparatus. The rule of thumb for figuring the grain
number of the hone in the usual diamond designations
of the German Language according to DIN848 (aver-
(Machinery, Fabrications and Accessory Equipment,
TT, v. 8, no. 9) (over)

1. Reinhart, H.

Office of Technical Services

Vöcky, G.
NEW METHOD FOR MEASUREMENT OF CLOSE FIT
INTERNAL THREADS (Neues Verfahren zum Messen
von Engtolerierten Innengewinden). [1963] [17p] (foreign
text included) 3 refs
Order from SLA \$1.60

63-20052

Trans. of Werkstatt und Betrieb (West Germany) 1962,
v. 95, no. II, p. 755-758.

DESCRIPTORS: *Screw threads, Test equipment, Meas-
urement, Microscopes, Industrial equipment

A universal comparator with internal thread measuring
device is described. A tracer microscope combined
with a vertical length measuring instrument permits
measurement of the flank-, internal- and core diameter
in the same measuring arrangement, also the determi-
nation of the gradient up to one μ m with a direct reading.
(Machinery--Manufacturing, TT, v. 10, no. 12)

63-20052

1. Title: Comparator
1. Vöcky, G.

Office of Technical Services

Eberspächer, Heinz.
COLD IMPACT EXTRUSION OF STEEL. [1960] [11]p.
20 refs.
Order from SLA \$1.60

62-14523

Trans. of Werkstatt u[nd] Betrieb (West Germany) 1958,
v. 91, no. 10, p. 605-608.
Another trans. is available from ATS \$11.80 as
ATS-75L30G [1959] 10p.

DESCRIPTORS: *Steel, Extrusion, Mechanical working.

For abstract see Technical Translations 3: 318, 1960.

(Metallurgy--Ferrous Metals, TT, v. 9, no. 12)

62-14523

1. Eberspächer, H.

Office of Technical Services

Contribution to the Theory and Construction
of Main Spindle Bearings of Cutting Machine
Tools, by H. Pittroff.
GERMAN, per, Werkstatt und Betrieb, Vol 96,
No 4, 1963, pp. 221-31
NTC 69-11201-131

Sci-Mech
July 69

388,426

Submerged Arc Welds for Structural
Steels, by W. Huttitzsch.
GERMAN, per, Werkstatt und Betrieb,
Vol 96, Jun 1963, pp 333-338.
BISI 4213

Sci/WHH
Jul 65

284,656

Precision Turning of Plain Carbon Steels
with Ceramic and Carbide Tools. Surface
Quality and Flank Wear, by G. Pahlitzsch.
GERMAN, per, Werkstatt und Betrieb, vol.97,
no. 3, 1964, pp. 225-234.
NTC 70-17063-13H

July 1971

Precision Turning of Plain Carbon Steels With
Ceramic and Carbide Tools, by G. Pahlitzsch,
R. Dornhoffer.

GERMAN, per, Werkstatt und Betrieb, Vol 97,
No 3, 1964, pp 225-234.
(CSIRO/No. 7134)

Sci -
Sug 67

339,930

Surface Testing of Surfaces with High Finish, by
W. Dreyhaupt.
GERMAN, per Werkstattstechnik, Vol. 33, No. 13, 1939
pp 321-324
GB 10/4268

Sci -
Sep 67

340-020

Comparison of Performance of American and
German Die Steels, by H. Hecht, H. M. Hiller.
GERMAN, per, Werkstattstechnik, Vol 49,
1959, pp 645-648.
NLL Ref: 9022.4 (68/52)

Sci-Mat
Jan 69

372,655

Measurement of Cutting Forces in Turning With
Aluminium-oxide-tipped Cutting Tools, by G.
Altmeyer, H. Kraff.
GERMAN, per, Werkstattstechnik, Vol 51, No 9,
1961, pp 459-467,
CSIRO/No. 6904

Sci -
Aug 67

335,204

Investigations and Developments in Modern
Coating Plants for the Motor Car Industry
Spraying Chambers, by W. Langheck.
GERMAN, per, Werkstattstechnik, Vol 53,
1963, pp 518-524.
NLL Ref: 5828.4F (7185)

Sci-Mat
Jan 69

372.648

Elastic Deformation in Grinding Tools, by H. Krug,¹
G. Honica.
GERMAN, per, Werkstattstechnik, Vol 54, No 2, 1964,
pp 53-59.
CSIRO/No. 6982

Sci -
Aug 67

335,206

Temperature Distribution on the Underside of Chips
in the Chip-tool Contact Zone, by E. Lenz.

GERMAN, per, Werkstattstechnik, Vol 54, No 2,
1964, pp 60-62.
CSIRO/No. 6983

Sci -
Aug 67

335,207

Investigations and Developments in Modern
Coating Plants for the Motor Car Industry.
Electrostatic Spraying Plants for the Coating
of Car Bodies, by W. Langheck.
GERMAN, per, Werkstattstechnik, Vol 54,
1964, pp 80-83.
NLL Ref: 5828.4F (7191)

Sci-Mat
Jan 69

372,647

Chatter-Marks in Grinding, by E. Allgaier.
GERMAN, per, Werkstattstechnik, Vol. 54, No. 4,
1964, pp 157-161
CSIRO/No.7074

Sci -
Aug 67

335-698

Volk, C.
WORKPIECE, MATERIAL, TOOL. [1961] [4]p. (3 figs.
omitted).
Order from SLA \$1.10

60-18744

Trans. of [Werkstattstechnik und Maschinenbau]
(Germany) 1937, v. 31 [no. 1] p. 269-271.

DESCRIPTORS: Machine tools, Tools, Machines

(Unannounced)

60-18744

I. Volk, C.

Office of Technical Services

62-16816

Arend, H.
DESIGN OF ANODES FOR HARD CHROMIUM PLATING.
ING. 1960 15p. (refs. figs. omitted).
Order from SLA \$1.10 62-16816

Trans. of Werkstattstechnik und Maschinenbau
(Germany) 1949, v. 39, no. 5, p. 145-147.

DESCRIPTORS: *Chromium plating, *Anodes, Design,
*Plating, Corrosion.

(Metallurgy, TIT. v. 8, no. 9)

Office of Technical Services

62-18372

Iwascheff, W.
SMOOTH ROLLING OF CAST IRON SLIDEWAYS FOR
MACHINE TOOLS. [1962] 6p. (figs. tables refs.
omitted).
Order from SLA \$1.10

62-18372

Trans. of Werkstattstechnik und Maschinenbau (German)
1949, v. 39, no. 8, p. 233-236.

DESCRIPTORS: *Machine tools, *Cast iron, Surface
area, Precision finishing.

I. Iwascheff, W.

(Machinery, TT, v. 9, no. 4)

Office of Technical Services

Present Position of Cold-Heading, Cold-Pressing
and Flow-Pressing in Bolt Manufacture, by Heine.

GERMAN, per, Werkstattstechnik und Maschinenbau,
Vol XL, No 6, 1950, pp 214-220.

Co-op Tr Sch Tr 652
(8.5 $\frac{1}{2}$ - 6)

Sci - Engr
Jan 58

57,780

Opitz, H.
SURVEY AND CLASSIFICATION OF PRECISION MA-
CHINING METHODS. [1962] 11p. (figs. tables refs.
omitted).
Order from SLA \$1.60

62-18233

Trans. of Werkstattstechnik u[nd] Maschinenbau
(Germany) 1953, v. 43 [no. 3] p. 92-97.

DESCRIPTORS: *Machining, *Precision finishing,
Classification, Chipping hammers, *Cutting tools,
*Grinders, Surfaces, Quality control, Electric ma-
chinery, Aluminum alloys, Silicon alloys, Crystal
structure.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 9, no. 4)

62-18233

I. Opitz, H.

Office of Technical Services

The Application of Ultrasonic and Spark Erosion
Processes for Fine Machining, by C. Ballhausen,
16 p.

GERMAN, per, Werkstattstechnik und Maschinenbau,
1955, Vol XLV, No 11, pp 557-561.

SLA 59-17202

Sci
Mar 60
Vol 3, No 1

110,936

Pahlitzsch, G. and Ernst, H. O.
ABOUT THE ECONOMY OF INFINITELY VARIABLE
ADJUSTABILITY OF GRINDING WHEEL AND WORK-
PIECE REVOLUTION NUMBER IN A CYLINDRICAL
GRINDING MACHINE. [1961] 33p. (15 figs. omitted)
7 refs.

Order from SLA \$3.60

61-18915

61-20472

Trans. of Werkstattstechnik und Maschinenbau
(Germany) 1956, v. 46, no. 5, p. 218-226.

DESCRIPTORS: *Grinding wheels, Economics,
*Machine tools, *Cutting tools, *Grinders, Friction,
Specifications, Velocity, Abrasion, Industrial re-
search, Manufacturing methods, Cylindrical bodies.

The question of the economy of an infinitely variable
driving mechanism of the grinding wheel or of the
workpiece or of both has been answered in the basis of
(Machinery--Manufacturing, TT, v. 7, no. 5) (over)

61-18915

61-20472

I. Pahlitzsch, G.
II. Ernst, H. O.

Office of Technical Services

Grinding of Twist Drills, by G. Bohlke.

GERMAN, per, Werkstatttechnik und
Maschinenbau, Vol XLVII, No 5, 1957,
pp 226-231.

CSIRO 4504

Sci - Engr
Jul 62

203, 450

Smooth Rolling of Shafts and Drillings, by H. König,
42 pp.

~~GERMAN, per, Werkstattstechnik und Maschinenbau,~~
Vol XLVI, No 6, 1956, pp 274-282.

SLA 60-10310

Sci
Jun 60
Vol III, No 5

119,145

Machines for Straightening Round Bars, Tubes, and
Sections, by Mackelt. UNCLASSIFIED

GERMAN, per, Werkstattstechnik u Maschinenbau,
Vol XLVI, 1956, pp 603-611.

British Iron and Steel
Co-op Tr Scheme
Tr 884

1267
Sci - Eng
Apr 58

7.11.1958

62,594

Cutting Forces in Surface Grinding. Part I.
Influences of Cutting Conditions, by H. Krug.

GERMAN, per, Werkstattstechnik und Maschinenbau,
Vol XLVII, No 1, 1957, pp 26-35.

ATS 603-GJ

Sci - Engr

Sep 60

124,947

cutting forces in surface Grinding. Part II. Influences
of Grain, Bond and Coolant, by H. Krug.

GERMAN, per, Werkstattstechnik und Maschinenbau,
Vol. XLVII, No 2, 1957, pp 73-78.

ATS 604-GJ

Sci - Engr

Sep 60

124,948

Grinding of Twist Drills, by G. Rohke.

GERMAN, per, Werkstattstechnik und
Maschinenbau, Vol XLVII, No 5, 1957,
pp 226-231.

CSIRO 4504

Sci - Engr
Jul 62

203,450

Heating Without Scale-Formation by Using
Lithium Carbonate in a Miniature Forging
Furnace Heated by Long-Distance Gas Supply,
M. Neuburger, et al. UNCL

GERMAN, por, Werkstatt u Maschinenbau, Jun
1958, pp 341-343.

British Iron and
Steel Ind 1072

Sci - Phys
Apr 59

83,805

Operational Chart as Criterion of the Shape and
Performance of a Drill, by H. Klein.
GERMAN, per, Werkstattstechnik und Maschinenbau,
Vol XLVII, No 11, pp 597-603
CSIRO No 6100

Sci - Engr
Apr 64

257,263

Reuthe, W.
MODERN HYDRAULIC DRIVE SYSTEMS FOR MA-
CHINE TOOLS (Neuzeitliche Hydraulische Antrieb-
systeme für Werkzeugmaschinen). [1962] 124 p.
(foreign text included) 4 refs.
Order from SLA \$2.60 62-109-1

Trans. of Werkstattstechnik und Maschinenbau
(Germany) 1955, v. 48, no. 12, p. 631-635.

DESCRIPTORS: *Machine tools, *Hydraulic presses,
Control systems, *Power drives, Hydraulic systems.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 8, no. 9)

62-109-1

1. Reuthe, W.

Office of Technical Services

62-16861

Stöter, Jochen.
THE FORGING PROCESS ON HAMMERS AND PRESSES
WITH PARTICULAR REFERENCE TO RISING (DIE
FILLING). [1960] [19]p. 12 refs.
Order from SLA \$1.60

62-16861

Trans. of Werkstattstechnik [und Maschinenbau]
(Germany) 1959 [v. 49] no. 4, p. 223-230.
Another trans. is available from BISI £ 5 15s as
BISI-1650 [1960].

DESCRIPTORS: *Dies, Forging, Machining, Machine
tools, Deformation, Stresses, Hammers, Metal forming
presses.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 9, no. 2)

1. Stöter, J.

Office of Technical Services

Relation Between Time Study and Wage Payment,
by W. W. Neumayer, 4 p.

GERMAN, per, Werkstattstechnik, und Werkzeitleiter,
1930, Vol XXIV, No 24, pp 668-670.

SLA 59-15696

Sci
Mar 60
Vol 2, No 11

109,606

Hard Metal Tools for the Machining of Ceramics,
Porcelain, and Glass, by E. Dinglinger, 8 p.

GERMAN, per, Werkstatstechnik und Werkleiter,
1936, Vol XXI, No 7, pp 167-170.

SLA 59-20543

Sci
Mar 60
Vol 2, No 12

109,206

Application of High Purity Nickel Electrolyte, by
Eugen Werner, 5 p.

GERMAN, per, Werkstattstechnik und Werkleiter,
1936, Vol. XXI, No 8, pp 186-187.

SLA 59-20542

Sci
Mar 60
Vol 2, No 12

109, 197

Screw Threads-Tolerances, by G. Bernat, 31 pp.

GERMAN, per, Werkstattstech u Werkseleiter, Vol. ^S
XXX, No 23, 1 Dec 1936, pp 511-520.

SIA 57-3022

Sci

Aug 58

71,300

Series Production of Continuous Production; Limits
of Their Economy, by H. Stein, 6 p.

GERMAN, per, Werkstattstechnik und Werkleiter,
1937, Vol XXXI, No 1, pp 8-11.

BIA 59-20514

Sci
Mar 60
Vol 2, No 12

109,193

Productions and Experience in Transferring Power
Din to Tom Pitts, by Otto Weichmann, 18 p.

GERMAN, per. Marktstattetechnik und Marktleiter,
1937, Vol XXXI, No 19, pp 421-427.

20512
SLA 59-~~2284~~

Sci
Mar 60
Vol 3, No 1

110,904

Difficulties in Wage Payment Plans, by E. Stein,
9 p.

GERMAN, per, Werkstattstechnik und Werksleiter,
1938, Vol XXXIX, No 18, pp 401-404.

SLA 59-20541

Sci
Mar 60
Vol 2, No 12

109,277

Blast Riveting, by O. Butter, 13 pp.

GERMAN, per, ~~Werkstatte~~ Tech u Werksleiter, Vol
XXXII, Nov 1938, pp 465-467.

SIA 57-1049

Sci - Engr

Feb 58

58,229

Safety Devices for Punch Presses, by Willy Fronz,
5 p.

GERMAN, per, Werkstattstechnik und Werkzeugbau,
1938, Vol XXXII, No 21, pp 473-475.

SIA 59-20540

Sci
Mar 60
Vol 2, No 12

109,164

Causes of Errors in Piece Time Calculation, by
E. Kockel, 7 p.

GERMAN, per, Werkstattstechnik und Werkleiter,
1939, Vol XXXIII, No 8, pp 217-220.

SLA 59-20539

Sci
Mar 60
Vol 2, No 12

109,186

Statistical Equipment, by Fritz Manscke, 8 p.
GERMAN, per, Werkstattstechnik und Werkzeileiter,
1939, Vol XXXIII, No 9, pp 240-244.

SLA 59-20538

Sci
Mar 60
Vol 2, No 12

109,274

Increased Output in Assembly Plants, by
U. V. Moellendorff, 6 p.

GERMAN, per, Werkstattstechnik und Werksleiter,
1940, Vol XXXIV, No 8, pp 129-132.

SLA 59-20539⁷

Sci

Mar 60

Vol 2, No 12

109187

Instrument for Precision Measurements, Based on
a Flow Principle, by L. Leinert.

GERMAN, per, Werkstattstechnik u. Werksleiter,
Vol XXXVI, No 11/12, 1942, pp 223-231.

SLA 59-17014

Sam
Sci
Jun 63

Surface Finish on Drop Forgings, by O.
Kienzle, J. Huwendiek.
GERMAN, per Werkstattstechbuch, Vol. 54
No. 4, 1964, pp 189-193
GB 95

Sci -
Aug 67

338-430

Hot-Rolled Strip of Soft, Plain-Carbon Steels.

GERMAN, rpt, Stahl-Eisen-Werkstoffblatt, 0-28959,
(Werkstoffblätter Verein Deutscher Eisenhüttenleute),
1st Edition, Jan 1959, p 3.

MSI E 2989

Sci - Min/Metals

11 Oct 62

MSI E 75

*Also see
MSI E 2989 - Werkstoffblatt*

Minimum Content of Alloying Constituents for
the Formation of Oxide Layers Affording High
Protection Against Oxidation at High Temperatures,
by F. Maak, C. Wagner.

GERMAN, per, Werkstoffe, Vol XII, No 5, 1961
pp 273-277,

CEGB 2340

Sci - Chem
Feb 63

222,508

Iron Alloys with Special Magnetic Properties,
by H. H. Mayer. 13 pp.

GOVERNMENT USE ONLY

GERMAN, bk, Werkstoff-Handbuch, 2nd Edition,
1953, pp 1-8.

NASA TT F-12,566

Sci-Materials
Jan 70

399,028

+

The Current Delivery of Galvanic Cells Caused by
Oxygen Food as a Unit For the Oxidation and Initial
Corrosion of Metals, by F. Todt.

GERMAN, per, Werkstoffe und Korrosion, Vol I, No 2,
Feb 1950, pp 49-51.

32,850
Navy Tr 1251/Buships 595

Sci - Metals/minerals

Appearance and Interpretation of Stress Corrosion
in Wrought Aluminium Alloys, by H. Vosskuhler.

Full translation.

GERMAN, Werkst u Korrosion, Vol 1, No 4, pp 143-146,
April 1950.

TPA3/TIB Tr No T 4082

Scientific - Alloys

Electro-Chemical and Chemical Corrosion by Oxygen,
by F. Todt.

GERMAN, Werkst.u. Korrosion, Vol I, No 6/7, 1950,
pp 244-247.

S.M.R.E. Ministry Trans No 3531,
OT/361

EEur - Germany
Scientific - Chemistry, oxygen, electro-chemical

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The Principles of Corrosion, Its Forms and Theories
and Methods to Combat It, W. Machu.

GERMAN, per, Werkst u Korrosion, Vol I, (6/7), 1950,
pp 265-277.

S.M.R.E., Ministry of Fuel and
Power

Tr No 3532 OT/382

Scientific - physics, corrosion, theories, combat

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63-16631

Kalauch, C.
THE INFLUENCE OF PIGMENT MATERIALS ON THE
CORROSION PROTECTION EFFECT OF PAINTS
(Der Einfluss von Pigmentstoffen auf die Korrosions-
schutzwirkung von Anstrichen). [1963] [20]p. (foreign
text included) 12 refs.

Order from SLA \$1.60

63-16831

Trans. of Werkstoffe und Korrosion (West Germany)
1950, v. 1, no. 10, p. 400-404.

DESCRIPTORS: *Paints, *Corrosion inhibition,
Materials, *Pigments, Chemical analysis, Iron, Steel.

The author analyzes conditions at the paint/metal
interface on the basis of local cell potentials under
various conditions of pH, on the assumption that the
film-forming material will have a selective permeability
for anions or cations. By using the film-forming
vehicle as a membrane in dialysis and electro-dialysis
(Materials--Finishes, TT, v. 10, no. 6) (over)

I. Kalauch, C.

Office of Technical Services

Masing, G.
POTENTIAL MEASUREMENTS IN THE FIELD OF
CORROSION RESEARCH (Die Potentialmessung im
Dienste der Korrosionsforschung). Presented before
Committee on Corrosion, German Association for
Metallurgical Science, Stuttgart, 21 Apr 50. [1963]
[20]p. (foreign text included) 4 refs.
Order from SLA \$1.60 63-16830

Trans. of Werkstoffe und Korrosion (West Germany)
1950, v. 1, no. 11, p. 433-437.

DESCRIPTORS: *Corrosion, Metallurgy, Electrodes,
Electrolytes, Aluminum, Iron, Zinc, Anodes, Sur-
faces, Oxides, Hydrides.

Theoretical discussion of the course of reaction of a
metal electrode in an electrolyte is used to explain the
behavior of the metals in use. Details are given for
(Metallurgy--Corrosion, TT, v. 10, no. 9) (over)

63-16830

I. Masing, G.

Office of Technical Services

Insulation of Electrical Sheets by Mica-Phosphate
Coatings, by A. Wustefeld

Full translation.

Wustefeld, per, Werkstoffe und Korrosion, Vol II, No 1,
1961, pp 16-17.

Brutcher Tr No 3092

Scientific - Electricity Jul 53 CTS/DEX
Price \$2.95

3959

Corrosion Process in Ferritic and Pearlitic
Cast Iron With Modular Graphite, A Critical
Survey, by E. Franke

GERMAN, per, Werkstoff und Korrosion, Vol II,
pp 101-103. 1937

C.S.I.R.O.
Chief Librarian

115 789

Sci

May 60

Theory of the Oxidation of Metals and Metal Alloys,
by K. Hauffe.

GERMAN, per, Werkst u Korrosion, Vol II, 1951,
pp 131-139, 221-231, 243-249.

R.A.E., Farnborough
Tr No 390

Scientific - Chemistry, oxidation, metals, alloys

Index Aeronauticus

also have folder no 287

Franke, E.
STEEL AND IRON. Pt. 1 of Construction Materials
for the Chemical Industry. [1963] 5p. (refs. omitted)
Order from SLA \$1.10 63-14099

Condensed trans. of Werkstoffe und Korrosion (West
Germany) 1961 [v. 2] no. 5, p. 173-181.

DESCRIPTORS: *Reviews, *Stainless steel, *Corrosion,
Austenite, Chromium alloys, Steel, Iron alloys,
Silicon alloys

A literature survey.

(Metallurgy--Corrosion, TT, v. 10, no. 5)

63-14099

I. Franke, E.
II. Title: Construction

Office of Technical Services

Biel, H.
METAL SPRAYING AS A MEANS OF PROTECTION
AGAINST CORROSION. [1962] 7p. ([refs.] figs.
tables omitted).
Order from SLA \$1.10

62-16931

Trans. of Werkstoffe und Korrosion (West Germany)
1951, v. 2, no. 5, p. 182-185.

DESCRIPTORS: *Corrosion, *Corrosion inhibition,
*Metal coatings, *Flame spraying.

(Metallurgy--Corrosion, TT, v. 8, no. 9)

62-16931

I. Biel, H.

Office of Technical Services

Cause of Inhibitory Action of Aluminum in Hot Dip
Galvanizing Bath, by E. H. Bablik, F. Gotz, R. Kukaczka.

GERMAN, per, Werkstoffe und Korrosion, Vol V, No 5,
1951, pp 163-165.

Brutcher Tr 2745

Scientific - Min/Metals

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Eichborn, J. L. von.
WETTING OF METALS BY WATER. [1962] 34p.
33 refs.
Order from SLA \$3. 60 62-18838

Trans. of Werkstoffe und Korrosion (West Germany)
1951, v. 2, p. 212-221.

DESCRIPTORS: Metals, *Mercury, *Gold, *Silver,
Platinum, Nickel, Brass, Copper, Zinc, *Surface-active
substances, *Water vapor, Absorption, Hysteresis,
Surface tension, Adhesion, Catalysis, Electrochemistry

(Metallurgy--Corrosion, TT, v. 9, no. 10)

62-18838

1. Eichborn, J. L. von

Office of Technical Services

Franke, E.
NONFERROUS METALS. Pt. 2 of Construction
Materials for the Chemical Industry. [1962] 6p.
(refs omitted).
Order from SLA \$1.10 63-14350

Condensed trans. of Werkstoffe und Korrosion
(West Germany) 1961 [v. 2] no. 7, p. 249-258.

DESCRIPTORS: *Reviews, *Corrosion, Metals,
*Copper, Copper alloys, Nickel alloys, Chromium
alloys, Zirconium, Titanium, Tantalum alloys,
Molybdenum alloys.

A literature survey.

(Metallurgy--Corrosion, TT, v. 10, no. 5)

63-14350

I. Franke, E.
II. Title: Construction ...

Office of Technical Services

Heat-Resistant Steels and Alloys for Gas Turbines,
by E. Franks. UNCL

GERMAN, per, Werkstoffe u Korrosion, Vol X,
1951, pp 378-385.

British Iron and Steel Ind
(no number given)

Sci - Engr Min/Met
Sep 59

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Steel Alloys for the Preparation of Plate Glass
and Moulded Glass, by A. Dammer, 12 pp.

GERMAN, per, Werkstoffe u Korrosion, Vol II, No 11,
1951, pp 409-414.

SLA Tr 57-730

Sci - Min/Met

Sep 57

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Influence of Surface Finish Upon Bending Fatigue
Strength by P. Gimmel.

GERMAN, Werkstoffe Und Korrosion, Vol 2, 1951,
No 12, pp 461-2.

Brutcher Tech Tr No 2828

Change of Corrosion by Wetting Agent XIX, by L.
Piatti, 3 pp. UNCLASSIFIED

GERMAN, per, Werkstoffe und Korrosion, No 5-6,
1952, pp 186-188.

Navy Tr 760/BuShips 519

Scientific -
CTS/DEX

7327

Influence of Composition of Stainless Steels Upon
Resistance to Sulfuric and Hydrochloric Acids, by
K. Bungardt, H. J. Rocha.

GERMAN, per, Werkstoffe und Korrosion, Vol III, No 5-6,
1952, pp 209-211.

Butcher Trans No 2963

Scientific - Metallurgy, steel, metals, chemistry ,
sulfuric acid, hydrochloric acid

63-14620

Salsas-Serra, Francisco.
NEW EQUIPMENT FOR THE INTENSIVE MANUFACTURE OF SULFURIC ACID [Die Neuen Apparaturen zur Intensiven Fabrikation von Schwefelsäure]. Condensation of a lecture [presented] at the European Meeting for Chemical Technique (no. 1) on the occasion ofACHEMA X, Frankfurt a.M., 18-25 May 52. [1963] 13p. (figs. omitted).
Order from SLA \$1.60 63-14620

Trans. of Werkstoffe und Korrosion (West Germany) 1952 [v. 3, no. 9/10] p. 329-333.

DESCRIPTORS: *Sulfuric acid, Industrial production, *Condensers (Liquefiers), Absorption, Towers (Chemistry), *Corrosion inhibition, Stainless steel.

(Engineering--Chemical, TT, v. 10, no. 4)

I. Salsas-Serra, F.
II. Title: European ...

Office of Technical Services

Contribution to Present Knowledge About
the Resistance of Sintered Alumina to
Corrosion, by G. Jaeger, R. Krasemann.

GERMAN, per, Werkstoffe und Korrosion,
No 3, 1952, pp 401-415.

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Sci - Min/Met
Jul 62

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Recent Methods for the Protection of Zinc and Tin,,
by K. Anders

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GEISMAN, per, Werkstoffe und Korrosion, Vol III,
No 12, 1952, pp 450-451.

Brutcher Tr 3095

Scientific - Minerals/Metals
CTS/DEX

Price \$2.90

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The Influence of Impurities on the Resistance to
Corrosion of Aluminum and its Alloys, by Erich Franke,
29 pp.

GERMAN, per, Werkstoff und Korrosion, Vol IV, No 1,
Jan 1953, pp 4-14.

S.L.A.

Scientific-- Minerals/Metals

24 784

Effect of Wetting Agents on Corrosion IV. Protective Effect in Acid Medium, by Luigi Piatti, 7 pp. UNCLASSIFIED

GERMAN, per, Werkstoffe u Korrosion, Vol IV, 1953, pp 153-156.

AEC-Tr-1965

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Scientific - Chemistry

Nov 54 CTS/DEX